Substitute for forms 1449A/PTO & 1449B/PTO



FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT NO. 008111-172	APPLICATION NO. 10/648,357
APPLICANT Peter Borden Mackenzie et	al.
FILING DATE	GROUP
August 27, 2003	1713

		1	U.S. PATENT DOCUMENTS	
Examiner Injtials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY
14	4,564,647		Hayashi et al.	01-14-1986
	4,724,273		Fink et al.	02-09-1988
	4,752,597		Turner	06-21-1988
	5,106,804		Bailly et al.	04-21-1992
	5,132,380		Stevens et al.	07-21-1992
	5,227,440	1	Canich et al.	07-13-1993
	5,296,565	1	Ueda et al.	03-22-1994
	5,324,800		Welborn, Jr. et al.	06-28-1994
	5,331,071		Kataoka et al.	07-19-1994
	5,332,706		Nowlin et al.	07-26-1994
	5,350,723		Neithamer et al.	09-27-1994
	5,399,635		Neithamer et al.	03-21-1995
	5,466,766		Patsidis et al.	11-14-1995
	5,468,702		Jejelowo	11-21-1995
	5,474,962		Takahashi et al.	12-12-1995
	5,578,537		Hermann et al.	11-26-1996
	5,863,853		Vaughan et al.	01-26-1999
	5,866,663		Brookhart et al.	02-02-1999
	5,880,241		Brookhart et al.	03-09-1999
	5,880,323		Brookhart, III et al.	03-09-1999
	5,886,224		Brookhart et al.	03-23-1999
	5,891,963		Brookhart et al.	04-06-1999
KH	6,197,715	1 · · · · · · · · · · · · · · · · · · ·	Bansleben et al.	3-2001

		FO	REIGN PATENT DOCUMENTS			
Examiner Initials	Document- Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Trans Yes	lation No
My	19707236	A1	DE	08-27-1998	1	
	19944993	A1	DE	03-22-2001	X	
	19959251	A1	DE	12-12-1999	X	
	0 381 495	A2	EP	08-08-1990		
	0 416 815	A2	EP	03-13-1991		
	0 420 436	A1	EP	04-03-1991		
	0 532 098	A1	EP	03-17-1993		_
	0 641 804	A2	EP	03-08-1995		
	0 874 005	A1	EP	10-28-1998		
	0 816 384	A2	EP	01-07-1998		
	0 884 331	A2	EP	12-16-1998		
	0 893 455	A1	EP	01-27-1999		
	1 099 714	A1	EP	11-12-1999	X	
	Hei 9-255712		JP	09-30-1997		
7	Hei 9-272709		JP	10-21-1997		
MH	Hei 9-272713	/	. JP	10-21-1997		
		7		1 1001		

www that

Substitute for forms 1449A/PTO & 1449B/PTO



FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

	ATTORNEY'S DKT NO. 008111-172	APPLICATION NO. 10/648,357
	APPLICANT Peter Borden Mackenzie et al.	
	FILING DATE	GROUP
1	August 27 2003	1 1713

Examiner Initials	Document Number	the state of the s		Date of Publication (MM-DD-YYYY)	
NH	10-324709		JP	03-21-1997	Yes N
1	94/01471		wo	01-20-1994	
	94/11410		wo	05-26-1994	
	94/14854		wo	07-07-1994	
	96/23010		wo	08-01-1996	
	97/02298		WO	01-23-1997	
	97/17380		wo	05-15-1997	
	97/38024		wo	10-16-1997	
	97/48735		WO	12-24-1997	
	97/48736		WO	12-24-1997	
	97/48737		WO	12-24-1997	
	97/48739		wo	12-24-1997	
	97/48740		WO	12-24-1997	
	97/48742		wo	12-24-1997	
	97/48777		WO	12-24-1997	
	98/03521	Α	wo	01-29-1998	
	98/03559		wo	01-29-1998	
	98/11144		W0	03-19-1998	
	98/27124		wo	06-25-1998	
_↓	98/30609		WO	07-16-1998	<u> </u>
	98/30610		wo	07-16-1998	
	98/37110		wo	08-27-1998	
	98/40374		WO	09-17-1998	<u>L</u> . l
	98/40420		wo	09-17-1998	
	98/40421		wo	, 09-17-1998	
	98/41529		wo	09-24-1998	
	98/42664		wo	10-01-1998	
	98/42665		WO	10-01-1998	
1	98/47933		WO	10-29-1998	┼─┼-
-}	98/47934		· · · · · · · · · · · · · · · · · · ·	<u></u>	╂
+	·· · · · · · · · · · · · · · · · · · ·		WO	10-29-1998.	 -
	98/56832		WO	12-17-1998	<u> </u>
	99/02472		wo	01-21-1999	
	99/02570		wo	01-21-1999	
	99/05189		wo	02-04-1999	
	99/09078		wo	02-25-1999	
	99/10391		wo	03-04-1999	
1 -	99/12981		WO	03-18-1999	
1 - 1	99/62968	A	wo	12-09-1999	 -
114	00/04057		wo	01-27-2000	

Word that

Substitute for forms 1449A/PTO & 1449B/PTO

FIRST INFORMATION DESCRIPTIONS STATEMENT BY APPLICANT

ATTORNEY'S DKT NO. 008111-172	APPLICATION NO. 10/648,357
APPLICANT Peter Borden Mackenzie et al.	
FILING DATE	GROUP
August 27, 2003	1713

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Transl Yes	lation No
del	00 15646	А	wo	03-23-2000		
	00/47592	A1 .	wo	02-09-1999		
	00/50470	Α	wo	08-31-2000		
	00/58320	A1	wo	03-29-1999	1	
	01/07491	A1	wo	07-27-1999	11	
	01/07492	A1	wo	09-20-1999	X	
	01/12684	A1	WO	08-02-1999	1 1	
	01/14391	A1 .	wo	09-20-1999	X	
	01/21586	A1	wo	09-20-1999	X¹	
	01/23396	A1	wo	09-29-1999	\dagger	
	01/42257	A1	· wo	12-09-1999	X	
	01/55231	A1	wo	01-26-2000	X¹	
M	01/92342	Α	wo	12-06-2001	 	
		NON PATENT	LITERATURE DOCUME	NTS	*************	

	NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
Mf	A. BACH, et al., "Metal Chelates of N-(1-Pyrrolyl)salicylaldimines and Their Structure Determination by X-Ray Structure Analysis and X-Ray Absorption Spectroscopy (XANES)," Z. Naturforsch., Chem. Sci., 1996, pp. 757-764, Vol. 51(6)					
	A. V. BORDUNOV, et al., "Azacrown Ethers Containing Oximic and Schiff Base Sidearms - Potential Heteronuclear Metal Ion Receptors," <i>Tetrahedron, NL</i> , 29 December 1997, pp. 17595-17606, Vol. 53, No. 52, Elsevier Science Publishers, Amsterdam					
	M. BROOKHART et al., J. Am. Chem. Soc., 1995, pp. 6414-6415, 117					
	BUELOW, "Chemische Berichte," Berichte Der Deutschen Chemischen Gesellschaft, DE, Verlag Chemie. Weinheim, 1905, pp. 3915, 3917, Vol. 38					
	R. M. CLARAMUNT, et al., "Rhodium (I) Complexes with the Polydentate Ligand 3,5-bis(4-methylpyrazol-1-yl)-4-methylpyrazole," Journal Organometallic Chemistry, 1991, pp. 259-271, Vol. 412, No. 1-2					
	I. O. FRITSKY, et al., "Template Synthesis of Square-Planar Nickel (II) and Copper (III) Complexes Based on Hydrazide Ligands," J. Chem. Soc., Dalton Trans., 1998, pp. 3269-3274, Vol. 19					
	V. C. GIBSON et al., Chem. Commun., 1998, pp. 313-314					
	S. D. ITTEL et al., "Late-Metal Catalysts for Ethylene Homo- and Copolymerization," Chem. Rev., 2000, pp. 1169-1203, 100					
	W. KEIM et al., Angew Chem. Int. Ed. Engl., 1981, pp. 116-117, 20					
	D. H. McCONVILLE et al., J. Am. Chem. Soc., 1996, pp. 10008-10009, 118					
	OLEG V. MIKHAILOV, "From Novel Complexing Conditions to Novel Coordination Compounds of Nickel (II) with Dithiooxamide and its Bulky Analogues," <i>Transition Met. Chem.</i> , (1996), 363-369, 21					
	V. M. MOHRING et al., Agnew. Chem. Int. Ed. Engl., 1985, pp. 1001-1003, 24					
K. K. NARANG, et al., "Glyoxal-Aroyl Hydrazone (Schiff Base) Complexes of Nickel (II), Copper (II) & Chem., Sect. A., 1982, pp. 830-832, Vol. 21A(8)						
K. K. NARANG, et al., "Synthesis, Characterization, Thermal Studies and Biological Activity of Iron (III) Some Acylhydrazines," Synth. React. Inorg. MetOrg. Chem., 1993, pp. 971-989, Vol. 23(6)						
	F. A. NEUGEBAUER, "ESR Studies of 1,2,4,5-Tetraazapentenyls," Chem. Ber., 1973, pp. 1716-1723, Vol. 106(6)					
	M. PEUCKERT et al., Organometallics, 1983, pp. 594-597, 2					
\	TIMO REPO, et al., "Ethylenebis(Salicylidenetiminato)zirconium Dichloride: Crystal Structure and Use as a Heterogeneous Catalyst in the Polymerization of Ethylene," <i>Maromolecules</i> , (1997), 171-175, 30					
M	S. B. ROSCOE et al., "Polyolefin Spheres from Metallocenes Supported on Noninteracting Polystyrene," Science, 1998, pp. 270-273, 280					

The Hard

SHEET 4 OF 4

Substitute for forms 1449A/PTO & 1449B/PTO

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY'S DKT NO.	APPLICATION NO.
008111-172	10/648,357
APPLICANT	
Peter Borden Mackenzie et	al.
FILING DATE	GROUP
August 27, 2003	1713

	NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
000	L. ROSENBERG, et al., "Binuclear Nickel (II) and Cobalt (II) Complexes of the Novel Binucleating Ligand 3,-Bis(1'-pyrazolyl)pyridazine. Crystal and Molecular Structure and Magnetism of Bis[µ-3,6-bis(1'-pyrazolyl)pyridazine-N¹(Ni¹)N²(Ni¹)N²(Ni¹)N²(Ni¹)N²(Ni²)N²(Ni²))-bis[diaquanickel (II)] Tetrachloride Dihydrate," J. Chem. Soc., Dalton Trans., 1986, pp. 625-631, Vol. 3				
	M. SCHMID et al., "New C_{2} /and Chiral C_{2} -Symmetric Olefin Polymerization Catalysts Based on Nickel (II) and Palladium (II) Diimine Complexes Bearing 2,6-Diphenyl Aniline Moieties: Synthesis, Structural Characterization, and First Insight into Polymerization Properties," Organometallics, 2001, 20(11), 2321				
I	R. R. SCHROCK et al., J. Am. Chem. Soc., 1997, pp. 3830-3831, 119				
	R. R. SCHROCK et al., J. Am. Chem. Soc., 1999, pp. 5797-5798, 121				
	S. H. STRAUSS, <i>Chem. Rev.</i> , 1993, pp. 927-942, 93				
	A. A. WATSON, et al., "Chiral Heterocyclic Ligands. VIII. Syntheses and Complexes of New Chelating Ligands Derived from Camphor," Aust. J. Chem., 1995, pp. 1549-1572, Vol. 48, No. 9				

Examiner Signature	ATTO (fel	Date Considered	4-9-05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

¹ English Abstract Only.